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# Farmer

AND

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OUR 27TH YEAR.

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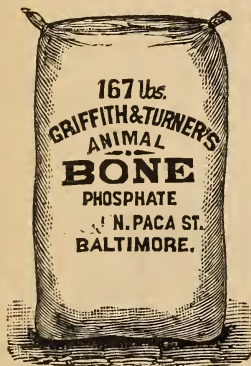
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## AND NEW FARM.

Vol. XXVII. BALTIMORE, September 10, 1890. No. 37.

For the Maryland Farmer.

### OUR NEW FARM, XII.

#### WE GO TO CHURCH.

It was a bright and beautiful Sunday morning, the roads were free from dust and the air was a delight such as city dwellers never enjoy. My wife said:

"Father, let us go to church today. Can you use Old Roan to-day, or will he be too tired?"

And I answered:

"Of course we can use him. He has done nothing to tire him. He'll take us to church like a daisy."

Then my girl clapped her hands and said:

"Oh, that will be grand," and off she started to get ready.

This first journey with Old Roan, on

this Sunday morning to church, none of us will be likely to forget. The carryall was a shackling old thing, almost worn out, with the covering not actually in holes, yet considerably dilapidated. In many places where the button holes should be, were twine loops, the original holes having broken out.

But the harness took the premium Number one. The collar had bursted and the stuffing protruded on both sides; the lining of the saddle was the worse for wear and the entire harness was remarkably free from any gloss, or appearance of newness. The traces were odd ones, one flat and one round, while the hold-backs were equally odd, one a strap the other a rope.

When it was brought up to the door, after Charley had done his best to slick it up, and my wife and girl came out,

with all their fine fixings; they eyed that establishment with astonishment and dismay.

My wife said;

"Why, father, you don't expect us to ride in that thing, do you? Won't it break down before we get half way there?"

Then my girl said:

"Just look at the hay all tucked in around his neck"—this was the stuffing from the collar—"Why didn't you give him enough to eat to last him till we got back? And that's no place to carry hay."

And my wife said:

"The harness looks dry and rotten; you're sure it won't come to pieces; you know I'm afraid to ride behind a horse unless he's very gentle."

Then I said:

"Oh, it's all right. You couldn't hire Old Roan to run away, or to hurt any one. And I've got some rope and some wire there in the carryall, so that if anything gives way, we can mend it."

Wife answered:

"But I don't like the looks of it. If it wasn't a good horse it would look just awful!"

I didn't like the looks of it either; but as it was the best we could do just then, I said:

"Oh, after you have got settled in the carryall you won't think anything about 'the looks,' and the people will be glad to see you at church anyway, and perhaps some day we'll have things better."

So they finally concluded to risk it, and I helped them into the carryall. The ride was without any adventure, and as we looked about us and over the country and conversed upon the various

things that attracted our attention, we actually did forget in part the disshevelled appearance of our conveyance.

But when we arrived at church, and saw the bright polished carriages and the shining harness of our neighbors and of the many strangers for miles away whom we had never before met; the contrast was rather discouraging.

But wife said:

"Well, our establishment does look as if it had come out of the ark, to be sure; but that is better than not to come at all."

And my girl said:

"Old Roan is all right. He'll keep up his head as well as any of them, if he does carry his dinner around his neck!"

Then I said:

"Any of these people who are worth knowing will not think any the worse of us, because we came to church in just what we chanced to have to-day. And they'll learn to know us in years to come better than they do now."

I didn't feel ashamed of my wife and my girl by any means, and they were introduced to very many who all seemed pleased to see them; and as the men remarked to each other what a change had been made in that old place—meaning where we lived—I saw them point us out frequently; and those even who had the most stylish teams took occasion to seek an introduction, or came and introduced themselves to me.

After the close of the service, before starting for our homes, the people generally linger to speak to each other, and to make all those neighborly inquiries which add so much to the pleasure of country life. To day there was Mr. and Mrs. Green and their daughter,



who would probably settle down among them, and we did not lack for attention. Josie Camden had already appropriated my girl and was introducing her to all the young men and maidens for miles around, and Mrs. Camden and Mrs. Green were the centre of quite a crowd of the matrons.

It's very hard for me to remember names, and so I can't tell you half of those I saw there for the first time. But when we came to mount into our shabby conveyance in the midst of them all, I confess I felt as if it would have pleased me better if we had waited until we could have gone in a little better shape.

But, as my girl predicted, Old Roan held his head up equal to any of them, and to all appearance would not have objected to a little sport, though it was on Sunday. But we had due regard to the day, and kept him at a sober, steady pace, not presuming to pass anyone in advance of us.

We arrived home in due season, and then all my dear wife said, was:

"Oh, I was so ashamed!"

Then she stopped, and not another word was said on the subject of the carriage, or harness, or anything connected with that turn out. But I took occasion during the next two weeks to have the carryall completely overhauled, re-covered, every nut and iron examined, tightened and put in order, the tires re-set and the whole re-painted. Then at the trifling cost of fourteen dollars I got me a new harness, had it fitted to Old Roan, and had it conveyed to the barn in a bag. On Saturday night I had Charley harness up Old Roan and go after the carryall and bring it up to

the barn and say nothing. Wife and daughter knew nothing of all this.

Sunday morning, I said:

"Come, now, let us go to church this morning. The day is as bright as it can be and the roads are just inviting us for a pleasant ride."

Then my wife looked at my girl and my girl looked at my wife, and neither of them said a word.

Then I said:

"Oh, come! What's the use of sitting there and saying nothing? We can't do better than go and have a season of worship and a sociable talk with our neighbors."

My wife said:

"I'd like to go; but do you really think it's safe with that old patched harness, and that shaky wagon."

And I said:

"The harness is strong, the wagon is all right and Old Roan is as gentle as a lamb."

And she said:

"Well, I don't know—I'd like to go—I think I'll risk it once more."

Then I said:

"Now, own up. You don't like the idea of that old rig which looks as if it had come out of the ark."

Then she said:

"Well, it's partly that, I acknowledge."

I answered:

"Well, dearest, I'm glad you're able to conquer your pride, and go to church, even if you can't have everything as good as your rich neighbors."

Then I gave her a hug and a kiss, and she went to get ready.

Pretty soon down they came, all ready for the road and I called to Charley to bring up the caravan, which set

them to laughing. Then Charley came around the corner of the shed with a broad grin on his face and the whites of his eyes all visible, leading Old Roan in his new harness and before his renovated carriage.

My wife looked wonderfully surprised and said:

"Why, father, when did you do it? Why didn't you tell us? How nice!"

And my girl said:

"Oh, aint you proud, Old Roan!"

And she jumped off from the piazza and patted him on the nose and smoothed down his mane.

But I said never a word; only I helped them into the carriage, and my wife stooped over from the step and gave me a kiss.

Then away we went to church again.

I do not think our turnout was mentioned now, although in a modest way it was as good as the majority, any more than our former one had been.

We were welcomed just as before, no better, no worse.

On our return I invited Josie Camden to occupy the vacant seat in our carriage and she rode all the way home with us and staid till evening. It was a pleasant evening; her brother came after her when the shadows had shut us in, and after a short season of sacred song this Sunday was numbered with the past.

(To be continued next week.)

#### HAGERSTOWN MAIL.

We have received The Daily Mail and heartily congratulate Hagerstown on having such a wide wake daily. We

hope it will be appreciated and supported so abundantly that it will become a permanent and profitable institution. Hagerstown is now one of the important inland cities of Maryland and should give ample support to this enterprise. As a weekly we have always enjoyed reading The Mail—the same talent will make the Daily Mail a power to be felt all over the State.

#### MARYLAND FAIRS.

*When held, and address of Secretary.*

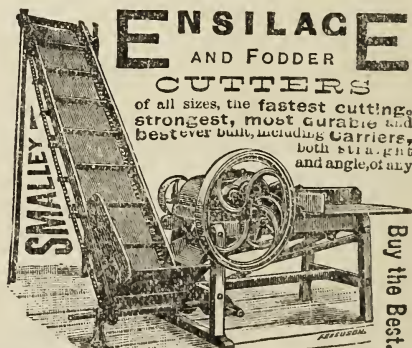
Cecil Co., Elkton, Oct. 7—10.  
John Partridge, Sec'y., Elkton, Md.

Frederick Co., Frederick, Oct. 14—17.  
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POULTRY  
and  
POULTRY KEEPING,  
by

H. R. WALWORTH,  
Editor of The Maryland Farmer.

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CHAPTER XVII.  
SOME ILLUSTRATIONS.

We have made what we deem the most profitable breeds for general adoption a specialty for remarks in the preceeding chapters. We give in this chapter illustrations of these breeds, commencing with the

every collection of poultry from the farm. We have but one objection to urge against the breed and that is the leg-feathering. The feathers, in warm, dry weather, may not be of any consequence; but in wet weather and in winter slush they are objectionable. We think it quite possible to get rid of this feature and we have made it a point to do so by crossing with the White Leghorn as heretofore mentioned.

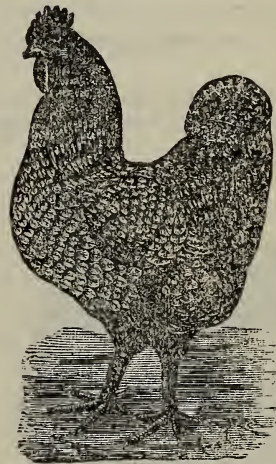
We take no stock in the idea, that this feature is a necessity, and when profit and comfort for the poultryman and the poultry are in question, we say the less leg-feathering the better.

The next great favorite with us is the American production so well and favorably known throughout our land,



LIGHT BRAHMA,

which in our opinion is the monarch of the Poultry Yard at present. The markings of this breed are now found in almost



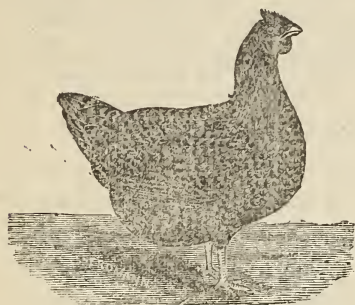
THE PLYMOUTH ROCK.

Our attention has been called to the fact that these articles have "copyright" attached to them. It is to secure them for publication in book form as soon as completed. We do not object to any of our exchanges copying them or any part of them who will give us the customary credit.—Ed.

No breed of poultry has ever come more rapidly into favor than this one. The large size and the beauty of the birds when fully matured have captivated the public



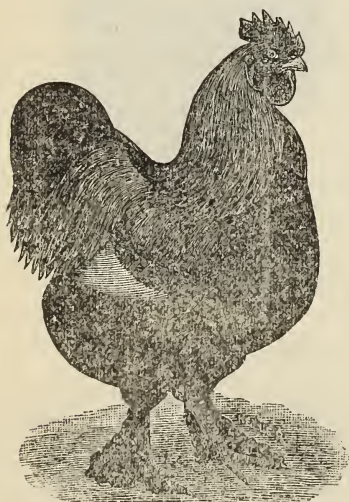
heart. They derive their plumage from that favorite of the old time barn yards,



THE AMERICAN DOMINIQUE;

but they are a far more stately bird and of much greater weight. They have the most favorable points demanded in marketable poultry, and when crossed transmit their plumage very generally. They have no leg-feathering and if the strain can be had without too long shanks and neck it is desirable to obtain such. It degenerates rapidly in size if not carefully bred; but requires only ordinary care in the selection of large specimens from which to breed.

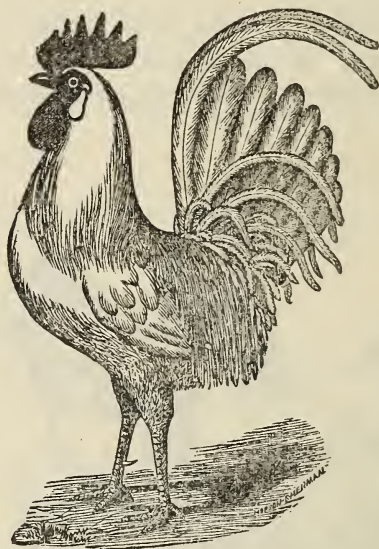
The next breed to these for general use and because of their size and beauty is



THE COCHIN.

This is an Asiatic fowl and has evidently in all its varieties the contented, somewhat sluggish characteristics of that class of poultry. The Buff and the Partridge Cochins are certainly very beautiful to look upon when in their prime. Their leg-feathering is very heavy, and should be bred away as fast as possible. These like the Brahmas have a very thick coat of feathers and are very desirable for winter layers.

The wild bird among our favorites, which no fence will keep within bounds and no petting will prevent from roaming, is



THE LEGHORN.

To this tribe belong a large variety of birds with small bodies and large combs; but all disposed to be great layers in the Spring and Summer months. The Leghorns proper, whether white or brown, have the general reputation of giving the largest number of eggs in the year, and for those who have unlimited range they are very profitable in this respect. We would

keep them, however, for their value in crossing with other and larger breeds. They add to the activity of the Asiatics, and modify somewhat their persistency for sitting.

Leghorns belong to the non-sitting tribe, which means that they cannot be depended upon to stick to their nests. They are in fact the leaders in that tribe in this respect. We may mention among the number:

Leghorns, Black Spanish. Polish,  
Hamburgs, Minorcas, Anconas,  
Andalusians, Red Caps.

On the other hand, the Asiatics are at the head of the tribe of persistent sitters, and their crosses invariably make the best of mothers.

he turned with enthusiasm to another.

His greatest triumph and his most important service to humanity, was the construction of the monitors, by which the dangerous career of the Merrimac in Hampton Roads was cut short and the blockade of the Southern ports made effective during the war of the Rebellion. Scarcely anything contributed more directly to the overthrow of the Confederacy and the preservation of the Union, and it is for this service that the nation will do honor to his memory, and send his remains reverently back to repose in the soil which gave him birth.

Sweeden has produced many gifted sons and daughters, but Ericsson will remain easily the first in the hearts of all patriotic Americans.

#### ERICSSON'S GREAT WORK.

John Ericsson, whose remains are to be borne back with appropriate honors to his native country, was a wonder even in this age of marvels. He was a precocious boy, and began his active career at an age when most youths are taking their preparatory course at school. His life was a continuous history of discoveries and inventions by which the world profited much more than himself.

A feature of his career was that while he was frequently the pioneer in useful inventions, some other person followed in his wake, and by an improvement or parallel invention reaped all of the substantial benefits. Recent disclosures have revealed that this is not a novel experience, and the unknown benefactors of mankind are often greater than those who receive the rewards and plaudits of their fellows, but in Ericsson's case it occurred again and again. His genius and fiery energy made him almost abnormally active, and he was scarcely through with one project before

Give what you have. To some it may be better than you dare to think.

The heart has reasons of its own, which reason knows nothing of.

The sublimity of wisdom is to do those things living which are to be desired when dying.

He who is unwilling to submit to undeserved blame should remember to refuse undeserved praise.

Indeed, the power of mere activity is often overrated. It is not what men do, but what they are, that constitutes their truest benefaction to their fellow-men.

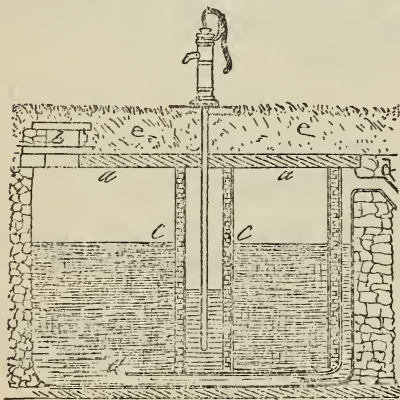
Do not think of your faults; still less of others' faults; in every person who comes near you, look for what is good and strong; honor that; rejoice in it; and, as you can, try to imitate it, and your faults will drop off, like dead leaves, when their time comes.



**Importance of Pure Water for Country and Suburban Homes—The Late George Geddes' Plan for Filtering Rain Water Illustrated and Described.**

At this season of the year much impure water is used, causing a great deal of the sickness which prevails in summer. Boiling the water before using it modifies the danger. If used for tea or coffee the process is quite simple. If for drinking water it may be boiled and kept till wanted in a cold apartment or ice house in corked bottles or jugs. When there are mineral impurities that cannot be removed by boiling the water it is safest to use filtered rain water.

The late George Geddes for more than a quarter of a century used filtered rain water for all domestic purposes in his family, and during that time there had



CISTERN WITH A BRICK FILTER.

been no disease of a character resulting from the use of bad water. For several years he had used a brick filter, a section of which is represented in the accompanying cut. It was twelve feet long, and for convenience in covering only six feet wide. It would hold 4,000 gallons. The lower course of the cemented stone walls projected four inches into the cistern to prevent any crack. The covering with six inch flag stones, fitted to the walls with cement, left no entrance except through the man hole *b* and the leader from the roof. A foot of earth rested on the cover, and the man hole flags included an air space shutting out frost. The roof should be kept clean, and the first water after a long drouth excluded. The filter was a hollow brick cylinder, *c c*, with an inch air hole, and containing the pump. The water soak-

ing through the four inches of brick became perfectly filtered, and was as pleasant to drink as any we ever tasted. The overflow, *d d*, carries off all sediment. A self acting valve, closed when no water is escaping, prevented the entrance of mice. Thanks are due to Country Gentleman for the foregoing cut and its description.

**Three Classes of Fowls.**

For a long time poultrymen expected to combine in one fowl all the excellencies to be found in the various breeds. The abundance and quality of the flesh which characterizes the table fowl was to be united to the wonderful prolificacy which marks the great layers. The expectation has not been realized; it never will be. Antagonistic qualities can be combined only by robbing them of their antagonism. The great layer and the great table fowl are differently constituted, with different dispositions, and convert their food into different products. It is probable that general purpose fowls may be improved, that the nicest balance between their qualities has not been found, but the ideal general purpose fowl will never exist outside the imagination of its admirers.

There is need of all three classes of fowls. The man who raises poultry for market requires the table fowl; the one who produces eggs for general consumption needs the great layer, and hundreds and thousands of families which keep fowls to produce eggs and poultry demand the general purpose fowl. The general purpose is unquestionably the most popular fowl in the country, but the other two classes are steadily growing in favor, and as the number of those who make a business of keeping fowls increases the popularity of these classes will increase.—H. S. Babcock in Stockman.

**Subsoil Plowing.**

The subsoil plow follows the common plow and merely stirs and opens the subsoil without turning a furrow. The next round of the common plow covers the subsoiled furrow. Its benefit will depend wholly on the character of the soil. Soils containing vegetable matter that has not been drawn upon by the roots of plants owing to the former shallow cultivation will be improved by subsoiling or deeper plowing. On undrained, wet lands subsoiling would do more harm

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man good. Its good effect consists in deepening the soil and bringing more of it under the influence of cultivation. It would not dispense with manure; on the contrary, as the feeding area of the plants is increased more manure would be required unless the surface soil is rich, in which case subsoiling would not be necessary. Where land has been made poor by long cultivation and carrying away the crops with no return of plant food to the soil it cannot be restored to fertility by subsoiling or deep plowing. Manure must be applied along with rest and a judicious rotation of crops.

#### Profits from Broilers.

Broilers for market should be made a matter of business and care. It is desirable to get the chicks out as early as possible, as the very first spring chicks command enormous prices; but this does not last long, as the price will get to about twenty-five cents a pound and stay there for awhile. The cost of raising the chicks is only four cents a pound. Suppose 500 chicks were raised. At this rate the cost would only be 500 times four cents, or \$20, while the price they sell for is 500 times twenty-five cents, or \$125, which leaves a clear profit of \$105 for the trouble of raising them; and of course when larger numbers are raised the profit is still greater. The prices are higher during March and April, when chicks that weigh less than a pound retail at forty or fifty cents, but along in July the prices get down to twenty-five cents, but even such prices as this make the business very profitable and well adapted for all classes of people.—Southern Planter.

#### Electricity Applied to the Dairy.

A foreign exchange calls attention to an interesting application of electricity to the dairy interest that has been made in Italy. The Count of Assata, whose buildings are fitted up with the electric light, has connected his dairy plant with an electric motor of twelve horse power. This machine drives a Danish separator and a Danish churn, churning being conducted at the rate of 120 to 160 revolutions per minute, the butter being brought in from thirty to thirty-five minutes in fine grains, which it is now recognized enables the maker to produce the finest article. A pump is also worked in the dairy.

#### How to Manage Candied Comb Honey.

Comb honey that has become old and candied so that it cannot be removed by the honey extractor may be managed by Mrs. L. Harrison's method. This, according to the lady's own story, is as follows: The honey was mashed up in a pan and set over a kettle of boiling water and stirred frequently. Before the honey was very hot the wax had risen to the surface, and being set out in the cold quickly congealed, so that the warm honey could be poured from under it through a coffee strainer into another vessel, leaving the wax in the pan. After the honey was melted the wax was all melted up together, and considerable honey of inferior quality was under it, which can be kept separate and used for cooking, making gingerbread, etc. The rinsings of vessels used in manipulating the honey will make excellent vinegar. The wax can be melted in a pan over boiling water, and should be poured, when melted, through a hot coffee strainer, and when cool will be of a light straw color.

#### Saving Bees-wax.

The process of rendering wax as commonly practised is not only troublesome but wasteful. Inasmuch, therefore, as the supply of wax is scarcely equal to the demand, it behooves beekeepers to practice more economical methods. The increased demand is due to the popularity of foundation. The most approved plan of rendering wax is by the use of a wax extractor, of which there are several in the market. Where one has no extractor the wax may be put into a strong, rather coarse bag, which is placed in water and boiled. The bag must be placed on a plate or other object to prevent its touching the bottom of the vessel and so becoming burned. The wax will collect on the top of the water. Where it is desired to mold the wax into cakes use a deep basin, and when cool, if any impurities are found on the bottom, shave them off and melt this portion again.

Miss Vida Croly, daughter of Jenny June, goes to Europe soon as chaperon of a little sister but a few years her junior and equally as pretty. Miss Croly has the delicate beauty of color that the world raved about in Mrs. Langtry seven years ago.

Send us the Names and Post Office address of all your friends so we can send them sample copies.

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Entered as second class matter at Baltimore, Md.

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THE  
**MARYLAND FARMER**  
 AND  
 NEW FARM.

**Agriculture, Live Stock and Home Life.**

WALWORTH & Co., Editors and Publishers.

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**TIMONIUM FAIR.**

The attendance at the Fair was good, but the greater number were of that class who devote their attention to horse-racing particularly. Large numbers as usual were present from Baltimore.

The prizes for stock seem to have been pretty well distributed between D. H. Rice, G. O. Wilson and E. Gittings Merryman, and the names of Griffith, and Ridgely, appear frequently.

Sheep and Poultry did not make much of a show.

Agriculture Implements were plentiful and attractive to the farmers; but the class attracted from this city by races do not have much interest in such things.

Griffith, Turner, & Co. received the gold medal for the largest and most varied display of Agricultural Implements. We extend to them our hand with the heartiest congratulation. May their shadows never be less, and may abundance of customers crown them with sufficient orders to prove their medal no empty prize.

E. Whitman, Sons & Co's display was not so extensive, but it received the silver medal; and their work on the

ground of the Whitman Hay Press was the centre of attraction to hosts of interested farmers. Besides selling several of these, they received a special gold medal for this machine.

We are especially glad to record the success of this fair in attendance, in the display of implements and produce, and, we trust, in pecuniary results.

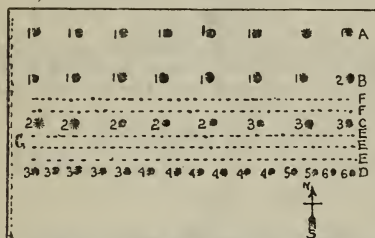
The sheriff, we observe, *towards the close of the last day*, arrested those who were engaged in gambling with wheels of fortune. We supposed the Board of Managers had directed that these gambling operations should not be allowed. If such privileges were actually sold by the board, are not they the ones who are the rightful parties to be arrested as projecting and profiting by the gambling? Let the right ones suffer by the enforcement of the laws of the State. We do not object to the actual operators suffering; but we see no reason why the respectable men, who sold the privileges, and encouraged the use of them, and profited by them, should be passed over. If the sheriff was authorized to arrest the former, why not the latter? We do not believe in making "fish of the one and flesh of the other." Treat them all alike. If men, standing well in community, are passed over when they violate the law, why should anyone hesitate to violate it? If a man shoots another, he is a murderer—what is the man who puts the gun in his hand, shows him his opportunity and encourages him to do it? If the board of managers sold these gambling privileges, they stand here. They supplied the opportunity, encouraged it, and took the lion's share of the proceeds. Let the right ones suffer.



## AN ACRE IN FRUIT.

## One Way to Plant It With the Twelve Varieties Commonly Grown.

Apple trees fifteen years from planting may be expected to produce two bushels each. All the other tree fruits may be expected to produce one-half of a bushel, in periods varying from six to fifteen years from planting. To produce thirty bushels of apples would require fifteen trees, and twelve bushels of other tree



PLAN FOR PLANTING AN ACRE IN FRUIT. fruits would require twenty-four trees, all of which could be placed on less than three-quarters of an acre of ground, leaving the remainder of the acre for the berries and grapes.

Accompanying is a diagram showing how all that is requisite could be planted on an acre without encroaching on any neighbor, even if the acre was bounded on all sides by property belonging to others. The plot lies east and west, and is 16 rods long by 10 rods wide. The trees marked 1 in rows A and B on the north side are apple trees, with one cherry tree, marked 2 in row B. The cherries are continued in row C, and three pear trees, marked 3, put in to complete the row.

The trees in these three rows are two rods apart and one rod from the boundary fences. In the row D are five pear trees, marked 3; six peach trees, marked 4; two plum trees, marked 5, and two quince bushes, marked 6—all sixteen and one-half feet apart in the row. Between the quince bushes, in the row, are planted gooseberries, and farther west currant bushes. Between the rows C and D are three rows of raspberries, marked E, and between C and B two rows of blackberries, marked F. If the ground is kept rich and cultivated the berries will suffer but little from shade for a dozen years or more, and for that matter the portion devoted to apples could also be used for raspberries if desired.

The open space south of the trees, containing forty-eight rods of ground, or

nearly one-third of an acre, if rich and well cared for should produce of the larger kinds of strawberries, such as Sharpless, Bubach, Jessie or Downing, about fifteen bushels; if planted to Crescent, with one-fifth Wilson or Sucker State as fertilizer, it might produce thirty or thirty-five bushels. The row marked G across the west end consists of nineteen grapevines two and one-half feet from boundary and eight feet apart. To produce four bushels they must yield eleven pounds per vine, a possibility not difficult to reach, says a correspondent in Farm and Fireside, from which our cut is a reprint.

## Potatoes Infected with Rot.

To dig or not to dig potatoes in infested fields is a question not as yet very well determined, and on which neither scientists nor farmers fully agree. Some advise digging as soon as possible after it has been ascertained that the vines have been struck with rot. Others would delay for a week or two after the tops have become thoroughly dead. In general it may be said that when the vines are dead the crop is ready for harvesting, and if the weather should become wet the tubers would be better off if stored away dry than to remain longer in the ground. Moisture is the chief promoter of the rot, and it rarely becomes injurious before August.

## Artificial Manures.

From exhaustive experiments made in England with artificial manures the Mark Lane Express draws the following deductions:

Phosphate alone, for any crop, is inadequate, and farmers should abandon the use of superphosphate by itself. Nitrogen alone is unreliable for any crop. Phosphates and nitrogen together (with potash sometimes added) are more beneficial to grain crops than most people imagine. For root crops, fertilizers containing phosphates, nitrogen and potash give far the best results. For grass, manures containing phosphates and nitrogen (sometimes with potash) are the best kinds. Oat and potato crops can be enormously increased by the use of the proper fertilizers.

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Address, Maryland Farmer.



**What Apiarists Tell One Another.**

San Diego county, Cal., expects a yield of nearly 1,500,000 pounds of honey this season.

The editor of The American Bee Journal says on the subject of feeding swarms in a honey blow to forward storing: When honey can be obtained from the flowers it is useless to try to "feed" the bees in any other way. They prefer the fresh nectar from the flora, and will gather and store it in the combs, and entirely ignore all the "food" you place before them.

A bee keeper tells Colorado Farmer that "it appears now that the Langstroth-Simplicity hive and frames, with the one-piece-one-pound sections, is meeting the general idea of a 'standard.' All the other improvements can be attached."

An Iowa apiarist tells in gleanings in Bee Culture how to water bees. He says: "I take a tub, tie a piece of burlap over it, put in a piece of brick or stone that will keep it down in the center, and then fill in with water until it comes up about one-third of the way on the burlap, which leaves a large surface for the bees to alight on. It is only occasionally that a bee gets drowned. One advantage of the tub is it does not need looking after except occasionally. Try it and be convinced."

Professor Cook says on spacing: "I have my frames about 1½ inches from center to center, and do not have them fixed so as to be just so far apart. I have used those that were spaced, and did not like them. I can space with my eye to suit me best. A slight variation is not objectionable."

**Rosa Bonheur.**

Rosa Bonheur, the great animal painter, whose best known work in this country, "The Horse Fair," is in the Metropolitan museum at New York, was born at Bordeaux in 1822. She received early instruction in drawing and showed remarkable skill in her studies from living models. In 1850 she exhibited her great masterpiece, "The Nivernaise Plowing," which has been placed in the Luxembourg gallery.

To remove claret stains from table linens rub on salt as soon as possible and wash in the usual way. If not entirely removed apply lemon juice and dry in the sun.

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No. 3A. **The Whole Subject of Fertilizers.**—This important subject is fully treated in this book. Information is given as to the value of each of the various substances in their application to different crops and qualities of soil, likewise to the home manufacture and production of fertilizers, etc., etc.

No. 4A. **Fruit Culture for Profit.**—In this book is given a vast amount of useful information for growers of peaches, plums, pears, apples, cherries, quinces, grapes, strawberries, raspberries, blackberries, whortleberries, gooseberries, currants and cranberries, directions for pruning and grafting, care and management, and for curing disease, and eradicating pests, etc., etc.

No. 5A. **Success in the Garden.**—Contains valuable information regarding the successful growing of asparagus, celery, cauliflower, tomatoes, onions, squashes, melons, cucumbers, cabbages, parsley, spinach, beans, beets, radishes, mushrooms, etc.; directions for destroying garden pests, etc.

No. 6A. **The Great Staples.**—Contains valuable hints and useful suggestions regarding the culture of wheat, corn, potatoes, hay, etc.; treats of plowing, seedling, hoeing, weeding and harrowing, the diseases, and insect or other enemies of crops and the best methods of combating them, etc., etc.

No. 7A. **Home-made Farm Implements.**—Directions for making useful and labor-saving tools, all of which are unpatented and may be easily made, are given in this book. Among them are harrows, hay elevators, weeding implements, tread powers, corn markers, chaff-crushers, post-drivers, plow attachments, corn shellers, road-scrappers, snow plows, bag-holders, etc., etc.

No. 8A. **Guide to Successful Poultry Keeping.**—This book gives the fullest information regarding the care and management of poultry, tells how and what to feed, how to make incubators, how to raise artificially-hatched chickens, how to cure all diseases of poultry; gives numerous designs and plans for approved poultry houses, coops and yards, directions for marketing, preserving, eggs, canning, etc.

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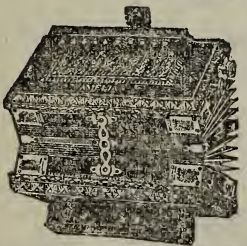
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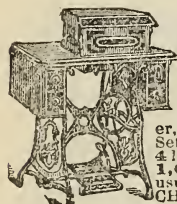
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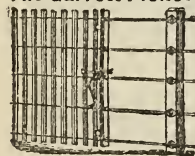


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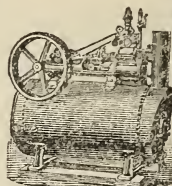
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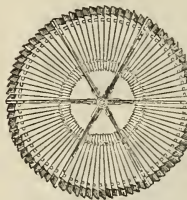
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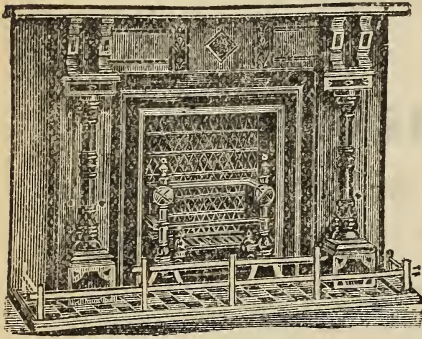
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